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Advanced Optimization Techniques: RSM vs ANN in Engineering Applications

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Advanced Optimization Techniques : RSM vs ANN in Engineering Applications



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Abstract

This guide aims to enhance the predictive modeling and optimization skills of all students across various engineering disciplines, especially electrical engineering students (Master's and PhD students). It primarily explores advanced optimization techniques, focusing on RSM and ANN. The guide details RSM CCD for structured system optimization and delves into the predictive capabilities of ANN, including FNN, RNN, and RBFN. The author encourages reader feedback to improve the guide's relevance and usefulness for both students and professionals in engineering.



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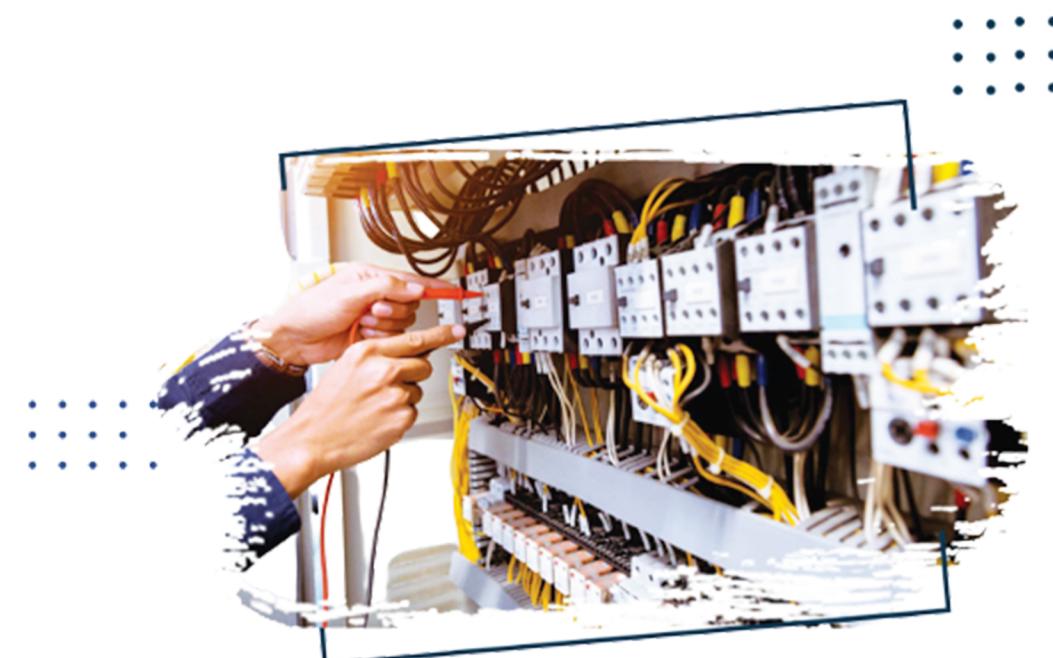
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